

Technical data sheet - LÜTZE SUPERFLEX® PLUS M PUR 0.6/1 kV Motor/Power supply cable



PUR c-track cables · For best performance

Identification	Type	4G10
	Part-No.	111374

Use/Area of application

Application	<ul style="list-style-type: none"> • Motor connection cable, specifically for machine and device construction, transport and conveyor technology • Through full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants • Especially for industrial environments, machines and plants
Properties	<ul style="list-style-type: none"> • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good resistance to use and salt water • Excellent coolant and lubricant resistance • Largely resistant to oils, greases, alcohol-free benzines and kerosene (see tech. information) • Free from paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

UL approval	1000 V 80 °C	
Voltage	U ₀ /U	0.6/1 kV
Test voltage	4000 V	
Insulation resistance	min. 500 MΩ × km	

19.04.2012 – Subject to technical modification

Part-No. 111374

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

Technical data sheet - LÜTZE SUPERFLEX® PLUS M PUR 0.6/1 kV Motor/Power supply cable

Temperature range	moving	-25 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	D × 7.5
	fixed	D × 4
Radiation-resistance	5×10 ⁷ cJ/kg	
Fire performance	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; IEC 60332-1; UL 1581 section 1080 VW-1; CSA FT 1	
Halogen-free	according to DIN EN 202641-1, EN 50267-2-1, EN 60684-2	
Number of strands/cross-section	4G10	
Outer-∅	15.5 approx. mm	
Weight	52.5 kg/100 m	
Cu-Index	38.4 kg/100 m	

Design

Conductor structure	Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6 or IEC 60228 cl. 6
Conductor insulation	Special TPE/HGI conductor insulation, UL qualified
Conductor labelling	Conductors black with white imprint
Stranding	Conductors twisted without mechanical stress, layer pitch optimised
Banding	Non-woven material over stranded cable
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket colour	black RAL 9005

General

Note	CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively
------	---

Logo



19.04.2012 – Subject to technical modification

Part-No. 111374

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

Technical data sheet - LÜTZE SUPERFLEX[®] PLUS M PUR 0.6/1 kV
Motor/Power supply cable



19.04.2012 – Subject to technical modification

Part-No. 111374

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk